

60LT1094-9
(GIP2-0267-J2)

AMENDMENTS TO THE CLAIMS

1. (original) A curable composition, comprising:
 - (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
 - (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
 - (c) a thermoplastic resin; and
 - (d) a cyanate ester.
2. (original) The curable composition of claim 1, wherein said flame retardant additive has a bromine content greater than 20%.
3. (original) The curable composition of claim 1, wherein said flame retardant additive is 1,3,5-tris(2,4,6-tribromophenoxy)triazine.
4. (original) The curable composition of claim 1, wherein said flame retardant additive is 2,2'-(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy]]bis[4,6-bis[(2,4,6-tribromophenyl)oxy]-1,3,5-triazinc].
5. (original) The curable composition of claim 1, wherein said flame retardant additive is soluble in toluene at a concentration of greater than 15 g/100ml of toluene at a temperature of 50° C.

60LT1094-9
(GP2-0267-D2)

6. (currently amended) The A curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms, and wherein said epoxy resin is a glycidyl ether resin or a mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule;

(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanate ester.

7. (currently amended) The A curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms, and wherein said epoxy resin is a mixture of:

(a1) an epoxy resin containing on average less than or equal to 2 glycidyl groups per molecule; and

(a2) an epoxy resin containing greater than 2 glycidyl groups per molecule.

(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

8. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin has a Tg greater than 120° C; and
- (d) a cyanate ester.

9. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin has a dissipation factor of less than 0.010 measured at 1 MHz at room temperature; and
- (d) a cyanate ester.

601TT1094-9
(GP2-0267-D2)

10. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin has been directly isolated from solution after polymerization; and
- (d) a cyanate ester.

11. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a poly(phenylene ether); and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

12. (currently amended) The A curable composition of claim 11, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a poly(phenylene ether), and wherein said poly(phenylene ether) has a weight average molecular weight ranging from about 3,000 to 35,000 g/mol; and
- (d) a cyanate ester.

13. (currently amended) The A curable composition of claim 11, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a poly(phenylene ether), and wherein said poly(phenylene ether) has a weight number average molecular weight ranging from about 3,000 1,000 to 35,000 10,000 g/mol; and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

14. (currently amended) The A curable composition of claim 11, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a poly(phenylene ether), and wherein said poly(phenylene ether) has been melt processed at a temperature ranging from about 200° to 350° C; and
- (d) a cyanate ester.

15. (currently amended) The A curable composition of claim 11, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a poly(phenylene ether), and wherein said poly(phenylene ether) is hydroxy functional; and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-102)

16. (currently amended) The A curable composition of claim 4, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is one or more of a poly(phenylene ether) or a poly(styrene-*co*-maleic anhydride); and
- (d) a cyanate ester.

17. (currently amended) The A curable composition of claim 4, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a reaction product of a poly(phenylene ether) and a peroxide; and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

18. (currently amended) The curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a reaction product of a poly(phenylene ether), a peroxide, and a bisphenol; and
- (d) a cyanate ester.

19. (currently amended) The curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin, wherein said thermoplastic resin is a polyimide; and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

20. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin;
- (d) a cyanato ester; and

wherein the curable composition further comprises one or more of an organic reinforcement, an inorganic reinforcement, or a filler.

21. (original) The curable composition of claim 1, wherein the curable composition is essentially free of homopolymers of styrene.

22. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms, and wherein the epoxy resin is a multifunctional glycidyl ether;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

23. (currently amended) The curable composition of claim 22, comprising:

(a) an epoxy resin and curing agent therefor; wherein the epoxy resin is essentially free of bromine atoms, and wherein the epoxy resin is a multifunctional glycidyl ether; and wherein said the multifunctional glycidyl ether is selected from the group consisting of epoxidized phenol-formaldehyde novolacs, epoxidized cresol-formaldehyde novolacs, epoxidized alkylphenol-formaldehyde novolacs, epoxidized 1,1,1-tris(4-hydroxyphenyl)ethane, epoxidized 1,1,2,2-tetra(4-hydroxyphenyl) ethane, epoxidized phenol-dicyclopentadiene novolacs, and epoxidized phenol-benzaldehyde novolacs;

(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

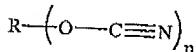
24. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester is selected from the group consisting of 1,3- dicyanatobenzene, 1,4-dicyanatobenzene, 2-tert-butyl-1,4-dicyanatobenzene, 2,4-dimethyl-1,3-dicyanatobenzene, 2,5-di-tert-butyl-1,4-dicyanatobenzene, tetramethyl-1,4-dicyanatobenzene, 4-chloro-1,3-dicyanatobenzene, 1,3,5-trcyanatobenzene, 2,2'-dicyanatobiphenyl, 4,4'-dicyanatobiphenyl, 3,3',5,5'-tetramethyl-4,4'-dicyanatobiphenyl, 1,3-dicyanatonaphthalene, 1,4-dicyanatonaphthalene, 1,5-dicyanatonaphthalene, 1,6-dicyanatonaphthalene, 1,8-dicyanatonaphthalene, 2,6-dicyanatonaphthalene, 2,7-dicyanatonaphthalene, 1,3,6-trcyanatonaphthalene, bis(4-cyanatophenyl)methane, bis(3-chloro-4-cyanatophenyl)methane, bis(3,5-dimethyl-4-cyanatophenyl)methane, 1,1-bis(4-cyanatophenyl)ethane, 2,2-bis(4-cyanatophenyl)propane, 2,2-bis(3,3-dibromo-4-cyanatophenyl)propane, 2,2-bis(4-cyanatophenyl)-1,1,3,3,3-hexafluoropropane, bis(4-cyanatophenyl)ester, bis(4-cyanatophenoxy)benzene, bis(4-cyanatophenyl)ketone, bis(4-cyanatophenyl)thioether, bis(4-cyanatophenyl)sulfone, tris(4-cyanatophenyl)phosphate, and tris(4-cyanatophenyl)phosphate.

60LT1094-9
(GP2-0267-12)

25. (currently amended) The curable composition of claim 1, comprising:

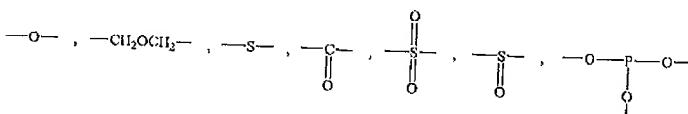
- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester, wherein the cyanate ester has the formula



wherein R is an aromatic nucleus-containing residue which is selected from the group consisting of a residue derived from an aromatic hydrocarbon selected from the group consisting of benzene, biphenyl and naphthalene, a residue derived from a compound in which at least two benzene rings are bonded to each other by a bridging member selected from the group consisting of

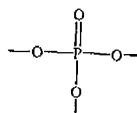


wherein R_a and R_b are the same or different and each represents a hydrogen atom or an alkyl group containing 1 to 4 carbon atoms,



and

60LT1094-9
(GP2-0267-D2)



and a residue resulting from the removal of a phenolic hydroxyl group from a novolac-type or resol-type phenolic resin skeleton; said aromatic nucleus is optionally substituted by a substituent selected from the group consisting of alkyl groups containing 1 to 4 carbon atoms, alkoxy groups containing 1 to 4 carbon atoms, chlorine and bromine; n is an integer of 2 to 5; and the cyanate group is always directly bonded to the aromatic nucleus.

60LT1094-9
(GP2-0267-D2)

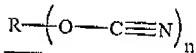
26. (currently amended) The A curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;

(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanato ester, wherein the cyanato ester is a prepolymer of the cyanates esters of Claim 25, having a number average molecular weight of 400 to 6,000, and are wherein the prepolymer is formed by trimerizing the cyanate group of the a cyanato esters ester having the formula

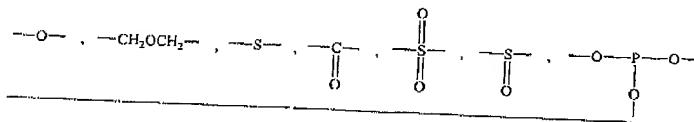


wherein R is an aromatic nucleus-containing residue which is selected from the group consisting of a residue derived from an aromatic hydrocarbon selected from the group consisting of benzene, biphenyl and naphthalene, a residue derived from a compound in which at least two benzene rings are bonded to each other by a bridging member selected from the group consisting of

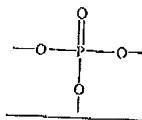


wherein R_a and R_b are the same or different and each represents a hydrogen atom or an alkyl group containing 1 to 4 carbon atoms.

60LT1094-9
(GP2-0267-D2)



and

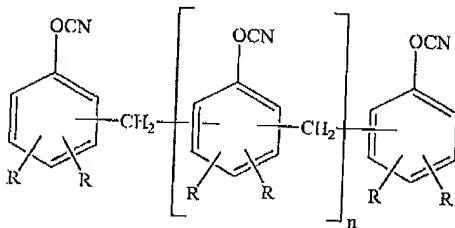


and a residue resulting from the removal of a phenolic hydroxyl group from a novolac-type or resol-type phenolic resin skeleton; said aromatic nucleus is optionally substituted by a substituent selected from the group consisting of alkyl groups containing 1 to 4 carbon atoms, alkoxy groups containing 1 to 4 carbon atoms, chlorine and bromine; n is an integer of 2 to 5; and the cyanate group is always directly bonded to the aromatic nucleus.

60J.T1094-9
(GP2-0267-D2)

27. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester is a cyanate-group-containing phenol resin comprising a mixture of polymers represented by the formula



wherein n is 0 or an integer of 1 or more; and R's may be the same or different, and each R is a hydrogen atom or a methyl group, and containing 50% by weight or more in total of polymers having formula in which n is an integer of 1 to 3, the number average molecular weight of said phenol resin being 350 to 700 g/mole.

60J.T1094-9
(GP2-0267-D2)

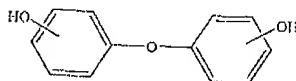
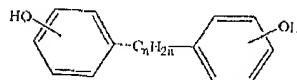
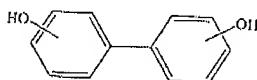
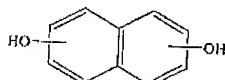
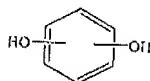
28. (currently amended) The A curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;

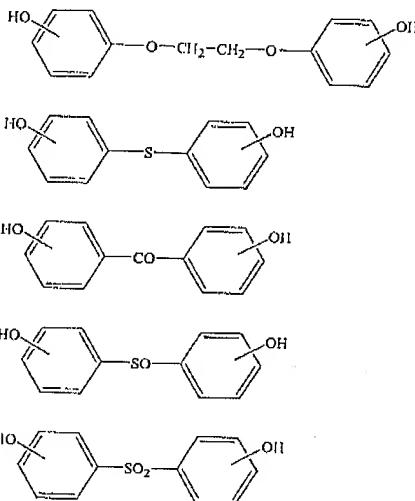
(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanate ester; wherein the cyanate ester is a cyanic acid ester of an aromatic polycarbonate obtained by reacting an aromatic polycarbonate having one or two terminal hydroxyl groups with a cyanogen halide, wherein the aromatic polycarbonate is prepared from an aromatic dihydroxy compound represented by one of the following formulas:



60LT1094-9
(GP2-0267-D2)



where n is an integer of 1-4, inclusive, or a mono-, di-, tri- or tetra- halogeno-nuclear substituted derivative of the aromatic dihydroxy compound represented by one of the above formulas.

60LT1094-9
(GP2-0267-D2)

29. (currently amended) The A curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;

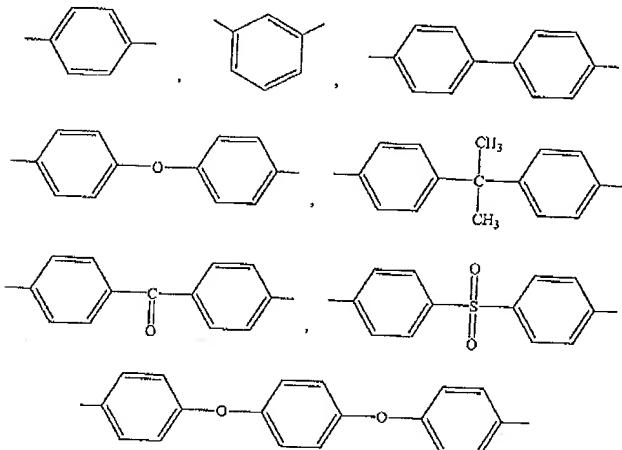
(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

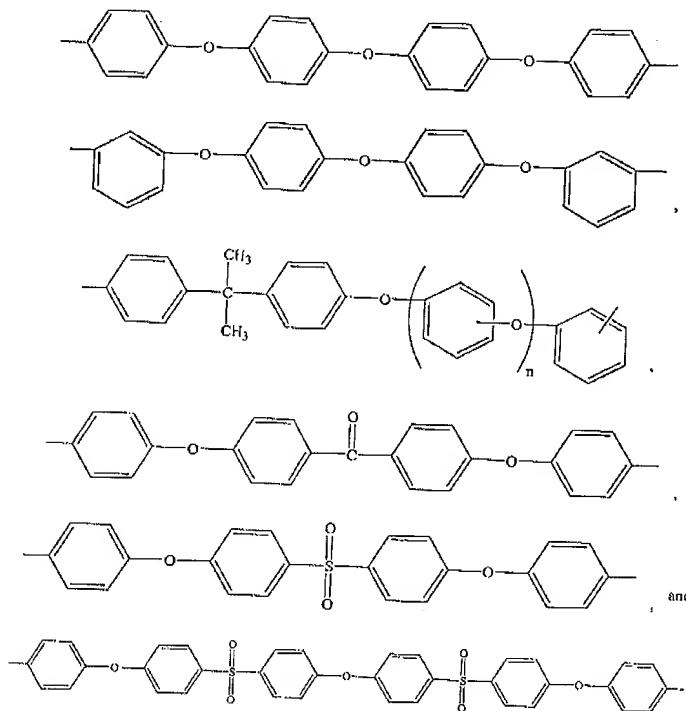
(d) a cyanate ester, wherein the cyanate ester is a cyanatophenyl-terminated polyarylene ether of the formula

NCO-R-OCN

where R is a divalent radical having 3 to 15 aromatic nuclei linearly linked together with etheral oxygen atoms, said nuclei comprising nuclei selected from the group consisting of



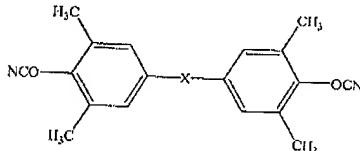
60LT1094-9
(GP2-0267-D2)



60LT1094-9
(GP2-0267-D2)

30. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester has the structure

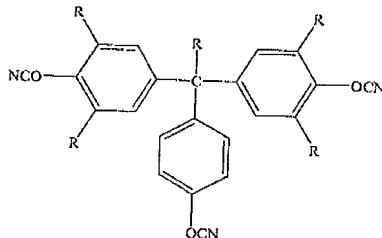


wherein X is methylene, isopropylidene, oxygen or divalent sulfur.

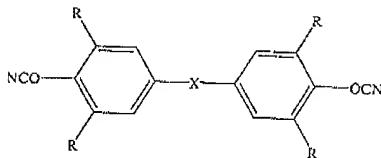
60LT1094-9
(GP2-0267-D2)

31. (currently amended) The A curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester, wherein the cyanate ester is a blend of a tricyanate ester and a dicyanate ester, wherein the tricyanate ester has the structural formula:



and the dicyanate ester has the structural formula:

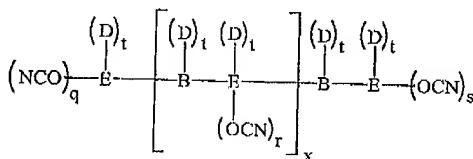


wherein each R is H or methyl and is the same or different and wherein X is methylene, alkylidene having 2 to 4 carbon atoms, divalent oxygen, or divalent sulfur.

60LT1094-9
(GP2-0267-D2)

32. (currently amended) The curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester is a polyaromatic cyanate having the formula



wherein [(::)] E is an aromatic radical;

B is a C₇₋₂₀ polycyclic aliphatic radical;

D is independently in each occurrence any nonactive hydrogen-containing substituent;

q, r and s are independently in each occurrence the integers 0, 1, 2, or 3; with the proviso that the sum of q, r and s is greater than or equal to 2;

t is independently in each occurrence an integer of between about 0 and 4 inclusive; and

x is a number between about 0 and 5 inclusive.

60LT1094-9
(GP2-0267-D2)

33. (currently amended) The curable composition of claim 1, comprising:

(a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;

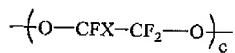
(b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;

(c) a thermoplastic resin; and

(d) a cyanate ester; wherein the cyanate ester is a fluorocarbon monocyanato having the structure



where A is



X is fluorine or perfluoroalkyl having 1 to 10 carbon atoms, a is 1 to 10, h is 1, and c is 1 to 100.

60LT1094-9
(GP2-0267-D2)

34. (currently amended) The curable composition of claim 1, comprising:

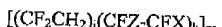
- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester is a fluorocarbon dicyanate having the structure



where B is (I) a carbon-to-carbon bond, in which case a is an integer of 1 to 30 and b is zero, or (II) B is $[(\text{CFX})_a\text{O}(\text{CFX})_b]_f$, in which case a and b are zero, d and e are integers of 1 to 30, and f is an integer of 1 to 20, or (III) B is



in which case a and b are 1, h is an integer of 1 to 10, and g and i are integers of 1 to 100, or (IV) B is

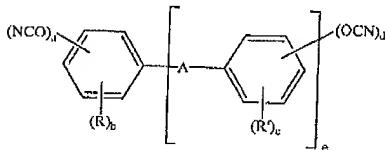


in which case a and b are integers of 1 to 10, j and k are integers whose ratio j/k is 1/1 to 10/1, m is an integer of 1 to 100, and (CF_2CH_2) and $(\text{CF}_2\text{-CFX})$ are randomly distributed units; and where X in all instances where it appears is fluorine or perfluoroalkyl of 1 to 10 carbon atoms.

60LT1094-9
(GP2-0267-D2)

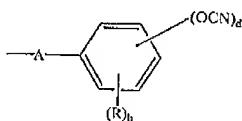
35. (currently amended) The curable composition of claim 1, comprising:

- (a) an epoxy resin and curing agent therefor, wherein the epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester; wherein the cyanate ester has the formula



in which R represents hydrogen, halogen, linear or branched C₁-C₉-alkyl or phenyl, two adjacent radicals R on the same nucleus together forming a carbocyclic 5-membered or 6-membered ring or together and in conjunction with a hetero atom (O, S, N) forming a 5-membered or 6-membered heterocyclic ring, alkoxy radicals with 1 to 4 carbon atoms, alkoxy carbonyl radicals with 1 to 4 carbon atoms in the alkyl group;

R' has the same meaning as R or represents the group



where A is direct bond, a C₁-C₉-alkylene group optionally substituted by C₁-C₄-alkyl or phenyl, a cycloaliphatic or aromatic 5-membered or 6-membered ring, or a cycloaliphatic or aromatic 5-membered or 6-membered ring; a is a number from 0 to 5 where e = 1 and

60LT1094-9
(GP2-0267-D2)

a number from 2 to 5 where $c = 0$; $b = 5 - a$ where $c = 1$ and $b = (a + d)$ where $c = 0$; $c = 5 - d$; d is a number from 0 to 5; c is the number 0, 1, 2 or 3; with the proviso that the sum of a and d ($a + d$) always gives a number from 2 to 5.

36. (original) A curable composition, comprising:

(a) an epoxy resin and curing agent therefor, wherein said epoxy resin is a glycidyl ether resin or mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule;

(b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine and/or 2,2'-(1-methylethylidene)bis[(2,6-dibromo-4,1-phenyleneoxy)]bis[4,6-bis[(2,4,6-tribromophenoxy)-1,3,5-triazine]];

(c) a poly(phenylene ether) resin; and

(d) a cyanate ester.

37. (original) A curable composition, comprising:

(a) an epoxidized cresol-formaldehyde novolac resin;

(b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine;

(c) a poly(phenylene ether) resin having a number average molecular weight ranging from about 1,000 to 15,000 g/mol; and

(d) a cyanate ester.

60LT1094-9
(GP2-0267-D2)

38. (original) A cured composition comprising a cured residue of a curable composition comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms;
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide;
- (c) a thermoplastic resin; and
- (d) a cyanate ester.